



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	New Jersey Local Congestion, Safety, Security Initiative		
RFP NUMBER:	NJDOT/FHWA RESEARCH PROJECT MANAGER(S): Nazhat Aboobaker/William Hoffman		
TASK ORDER NUMBER/Study Number: Task Order No. 132 / 4-26993	PRINCIPAL INVESTIGATOR: Ali Maher/Joe Orth		
Study Start Date: 12/11/2002 Study End Date: 12/11/2004	Period Covered: 2nd Quarter 2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
1.1 Literature Search	15	33	33	66
1.2 Present NJDOT/FHWA	5	0	0	0
2.1 Survey Customers	30	15	15	50
3.1 Crash Data Training	6.25	20	20	1.2
3.2 Identify/Provide Tools	6.25	10	10	1
3.3 Provide Emergency Response Training	6.25	0	0	0
3.4 Promote Congestion Mitigation	6.25	0	0	0
3.5 Introduce Congestion Best Practices	6.25	6.25	6.25	100
3.6 Explore Mass Transit Alternatives	6.25	5	5	.5
3.7 Facilitate Safety and Security	6.25	0	0	0
3.8 Personnel Safety Training	6.25	0	0	0
TOTAL	100			

1. Progress this quarter by task:

A. The Safety Literature Review was completed and distributed to NJDOT & FHWA for review.

- a. The findings included a major emphasis on the use of Crash Data to drive funding for transportation projects. During the past, Roadway Safety had been split with NHTSA addressing behavioral and enforcement issues, while FMCSA concentrated on driver fatigue, hazardous materials, and vehicle safety; while FHWA focused on engineering design and maintenance safety. TEA -21 now requires that the DOT's begin working with the MPOS to include safety and security in their plans.
- b. Also, the Safety Conscious Planning Model was introduced as a new program that integrates all aspects of transportation safety. It fits the scope of the CSS Initiative which addresses safety, security, and congestion on both the state and local levels.

- B. A CSSI Meeting was held on 5/21/03 between FHWA, NJDOT, and Rutgers CAIT-LTAP representatives. The agenda included an update of the grant activities, discussion of the Literature Review, introduction of the Safety Conscious Planning Model, review of the NJ Safety Survey, and other business.

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- a. **Update of Grant Project:** The meeting began with an overview of the grant activities. Nearly seventy percent of the literature review has been completed with only the Security section still outstanding. One third of the library has been reorganized to include the additional FHWA publications. The Police Work Zone Safety Program, qualifying as Congestion Management training, is currently being offered in Bergen, Gloucester, and Cumberland Counties. There are approximately 30 participants per section in Mahwah and Sewell; while Vineland has attracted 20 participants. The scope of the program includes Basic Work Zone Training, New Jersey Specific Regulations, Managing the Content, and an update of the MUTCD regulations.
- b. **Literature Review:** See above.
- c. **Discussion of Safety Conscious Planning Model:** The Safety Conscious Planning Model is a new program, developed by FHWA that integrates transportation safety and engineering. It fits the scope of the CSS Initiative, which addresses safety, security, and congestion on both the State and Local levels. Also, the MPOs are directly involved in the process. The concept evolved in 2000 when several transportation officials met to develop statewide safety integration. The Safety Conscious Planning Concept evolved and forums were initially held in five states that yielded input for a national model.
- d. **Survey Plan:** There was a lengthy discussion on who would be receiving the CSSI survey. Several public sector representatives were mentioned, but it was agreed upon that only the Business Administrators and/or Municipal Clerks would become the targeted group so that the feedback remains consistent. It was agreed upon that a statewide distribution was necessary in order to create a baseline description for safety initiatives. Also, a web based was discussed as a means of analyzing the data, immediately. Work will soon begin on the interactive web page that is linked to the GIS system.

2. Proposed activities for next quarter by task

CSS Initiative Programs	
Activity	Projected Time Period
Visit to SJTPO	June
Survey Letter to MPOs	Late June
Visit Comparable State	June
Visit NJDOT Personnel	July
Survey Distribution	July
Electronic Data Analysis	August
Completion of Literature Review	August
Preparation of Presentation for Showcase	September

- a) Continue Literature Search
- b) Report regularly on current state of practice to the executive board
- c) Begin with survey
- d) Meet with various stakeholders

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3. List of deliverables provided in this quarter by task (product date)

Draft of Safety Literature Review
CSS Initiative Survey

4. Progress on Implementation and Training Activities

Completed Police Work Zone Safety Training Program (5/6-5/29/03)

5. Problems/Proposed Solutions

1. Problem: Gaining Support for Safety Conscious Planning Model

Solution: FHWA will arrange a meeting with SJTPO to pilot program in that region. After project is complete, other MPO's will likely be more receptive to concept.

2. Problem: Safety & Security literature must be reviewed relative to post 9/11 outcomes.

Solution: Rutgers personnel should visit successful Safety Conscious Planning Programs that were established after 9/11/01 because security will more likely be included in safety or congestion management.

6. Budget Summary*

Total Project Budget (# of years)	1 and 2 Year	\$ 741,836
Total Project Expenditure to date		\$33,825
% of Total Project Budget Expended		4.6%
Task Order Number/Study Number:		132 / 4-26993
Current Task Order Budget (# of years)	Year 1 and 2	\$ 741,836
Actual Expenditure to date against current task order		\$33,825
% of current task order budget expended		4.6%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.

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